



10 MHz to 6 GHz SMA Bias Tee Rated
To 2500 mA And 100 Volts DC

TECHNICAL DATA SHEET

PE1615

10 MHz to 6 GHz SMA Bias Tee Rated To 2500 mA And 100 Volts DC

Configuration

RF Port Connector	SMA Female
RF Port Connector Impedance	50 Ohms
RF Port Connector Specification	MIL-STD-348
DC/RF Port Connector	SMA Female
DC/RF Port Connector Impedance	50 Ohms
DC/RF Port Connector Specification	MIL-STD-348
DC Port Connector	Solder Pin
Design	Tee

Electrical Specifications

Frequency Range, GHz	0.01 to 6
Maximum DC/RF Port Return Loss, dB	1.5
Maximum Insertion Loss, dB	1.25
Maximum RF to Bias Isolation, dB	30
Maximum DC Voltage, Volts	100
Maximum DC Current, mA	2,500

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +105
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Size

Length, in [mm]	1.67 [42.42]
Width/Dia., in [mm]	0.55 [13.97]
Height, in [mm]	1.5 [38.1]

Body Material and Plating	Aluminum with Chemical Conversion Coating
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RF Port Connector

Type	SMA Female
Dielectric Type	PTFE
Inner Conductor Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel

RF/DC Port Connector

Type	SMA Female
Dielectric Type	PTFE
Inner Conductor Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel

DC Port Connector

Type	Solder Pin
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 MHz to 6 GHz SMA Bias Tee Rated To 2500 mA And 100 Volts DC PE1615](#)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

10 MHz to 6 GHz SMA Bias Tee Rated To 2500 mA And 100 Volts DC from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

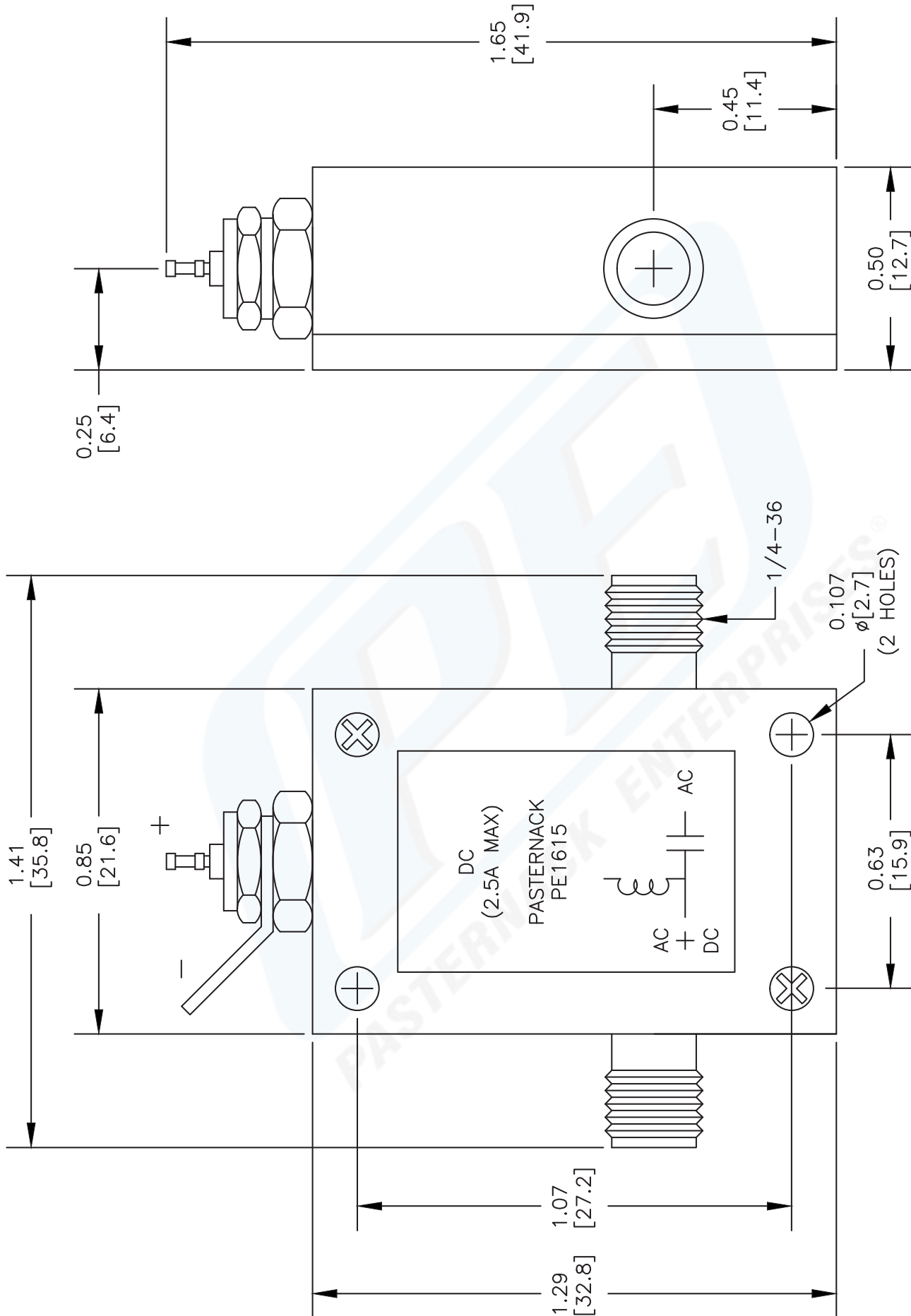
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URL: <http://www.pasternack.com/10-mhz-6-ghz-sma-bias-tee-2500-ma-100-volts-dc-pe1615-p.aspx>

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PE1615 CAD Drawing

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NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

PE1615

FSCM NO. 53919

127

SIZE A

SCALE N/A

CAD FILE 102610